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	1	3861807		1975-01-25	Lescrenier	
	2	3871360		1975-03-18	Van Hom et al.	
	3	4031884		1997-06-28	Henzel	
	4	4262306		1981-04-14	Renner	
	5	4463425		1984-07-31	Hirano et al.	
	6	4710717		1987-12-01	Peic et al.	
	7	4853771		1989-08-01	Witriol et al.	
	8	4895160		1990-01-23	Reents	

	Application Number		10656478	
	Filing Date		2003-09-05	
INFORMATION DISCLOSURE	First Named Inventor Hassa		san MOSTAFAVI	
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(Not for Submission under or or it issue	Examiner Name	Andra	ae S. Allison	
	Attorney Docket Numb	er	VM 03-009-US	

9	4971065	1990-11-20	Pearce	
10	4994965	1991-02-19	Crawford et al.	
11	5262945	1993-11-16	DeCarli et al.	
12	5265142	1993-11-23	Hsieh	
13	5279309	1994-01-18	Taylor et al.	
14	5295483	1994-03-22	Nowacki et al.	
15	5315630	1994-05-24	Sturm et al.	
16	5363844	1994-11-15	Riederer et al.	
17	5389101	1994-02-14	Heilbrun et al.	
18	5394875	1995-03-07	Lewis et al.	
19	5396875	1995-03-14	Kotwicki et all.	

20	5446548	1995-08-25	Gerig et al.	
21	5448548	1995-09-05	Taneya et al.	
22	5482042	1996-01-09	Fujita	
23	5513646	1996-05-07	Lehrman et al.	
24	5531520	1996-07-02	Grimson et al.	
25	5538494	1996-07-23	Matsuda	
26	5565777	1996-10-15	Kanayama et al.	
27	5582182	1996-12-10	Hillsman	
28	5588430	1996-12-31	Bova et al.	
29	5603318	1997-02-18	Heilbrun et al.	
30	5619995	1997-04-15	Lobodzinski	

	Application Number		10656478	
	Filing Date		2003-09-05	
INFORMATION DISCLOSURE	First Named Inventor Hassa		san MOSTAFAVI	
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(Not for Submission under or or it issue	Examiner Name Andrae S. Allison		e S. Allison	
	Attorney Docket Numb	er	VM 03-009-US	

31	5622187	1997-04-22	Carol	
32	5638819	1997-06-17	Manwaring et al.	
33	5662111	1997-09-02	Cosman	
34	5662112	1997-09-02	Heid	
35	5727554	1998-03-17	Kalend et al.	
36	5764723	1998-06-09	Weinberger et al.	
37	5771310	1998-06-23	Vannah	
38	5784431	1998-07-21	Kalend et al.	
39	5794621	1998-08-18	Hogan et al.	
40	5820553	1998-10-13	Hughes	
41	5823192	1998-10-20	Kalend et al.	

	42	5836954		1998-11-17	Heilbrun et al.				
	43	5891034		1999-04-06	Bucholz				
	44	5906202		1999-05-25	Schuster et al.				
	45	5912656		1999-06-15	Tham et al.				
	46	5954647		1999-09-21	Bova et al.				
	47	5993397		1999-11-30	Branson				
	48	5997883		1999-12-07	Epstein et al.				
	49	6061644		2000-05-09	Less				
	50	6076005		2000-06-13	Sontag et al.				
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	1	4341324	DE	A1	1995-06-08	Siermens AG		
	2	79458	FI		1989-09-29	Seppo Pettola		
	3	9816151	wo		1996-04-23	The Trustees of Columbia U. in the City of NY		
	4	9838908	wo		1998-09-11	Schneider Medical Technologies, Inc.		
	5	9852635	wo		1998-11-26	William Beaumont Hospital		
	6	19856467	DE		2000-05-31	Stuschke et al.		
	7	02085455	wo		2002-10-31	Dyn'r		
	8	0024333	wo		2000.05.04	Varian Medical Systems,		П

Inc.

Application Number		10656478		
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First Named Inventor	Hassa	an MOSTAFAVI		
Art Unit		2624		
Examiner Name Andra		ne S. Allison		
Attorney Docket Numb	er	VM 03-009-US		

					10000			
	10	2002090118	JP		2002-03-27	Olympus Optical Co. Ltd.		
	11	2000262511	JP		2000-09-26	Toshiba Iyo system Engineering KK Toshiba Corp.		
	12	2000325339	JP		2000-11-28	GE Yokogawa Medical Systems Ltd.		
	13	03003796	wo		2003-01-09	Varian Medical Systems, Inc.		
	14	1050272	₽		2000-11-08	General Electric Company		
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Examiner Initials*	Cite No		nal, serial, symp	osium,	catalog, etc), o	the article (when approp fate, pages(s), volume-is		Ţ5
	1		ADAMS, W.B. et al. "Correlator Compensation Regularements for Passive Time-Delay Estimation with Moving Source or Receivers" IEEE (April, 1980) ASSP-28(2):158-168.					
	2		N-LSTROM, K.H. et al. "Pulmonary MR Angiography with Ultrasmall Superparamagnitic Iron Oxide Particles as a locod Pool Agent and a Navigtor Echo for Respiratory Gating: Pilor Soudy Radiology (June 1999) 211(3) 863-869					
	3	AXEL, L. et al. "Respirat (3):795-801.	ory Effects in Two	Dimens	sional Fourier Tr	ansform MR Imaging" Radi	ology (Sept. 1986) 160	

Application Number		10656478		
Filing Date		2003-09-05		
First Named Inventor	Hassa	an MOSTAFAVI		
Art Unit		2624		
Examiner Name	Andra	ne S. Allison		
Attorney Docket Numb	er	VM 03-009-US		

4	Breathing*, Int. J. Radial. Oncol. Biol., Phys. 36, pp. 167-174 (August 1996).	
5	BANKMAN, I.N. et al. "Optimal Detection, Classification, and Superposition Resolution in Neural Waveform Recordings" IEEE) August, 1993) 40(6):838-941).	
6	BARONI, G. and G. Ferrigno "Real-time Motion Analysis for Definition and Control of Patient Position in Radiotherapy" SPIE 0-81942094-099 2709:506-515.	
7	BELLENGER, N.G. et al.; "Left Ventricular Quantification in Heart Failure By Cardiovascular MR Using Prospective OS Respiratory Navigator Gating: Comparison With Breath-Hold Acquisition", J. Magn. Reson. Imaging 11, pp. 411-417; (April 2000).	
8	CHO, K. et al., "Development Of Respiratory Gated Myocardial SPECT System", J. Nucl. Cardial. 6; pp. 20-26; (Jan. Fab. 1999).	
9	DANIAS, P.G. et al. "Prospective Nevigator Correction of Image Position for Coronary MR Angiography" Radiology (June 1697) 203.733-736.	
10	DAVIES, S.C. et al., "Ultrasound Quantitation Of Respiratory Organ Motion in The Upper Abdomen", Br. J. Radiol. 67, pp. 1096-1102 (November 1994).	
11	DU, Y.P. "Prospective navigator gating with a dual acceptance window technique to reduce respiratory motion artifacts in 30 MR coronary angiography" left J. Cardiovascular imaging (2003) 16:157-162.	
12	DU, Y.P. et al. "A comparison of prospective and retrospective respiratory navigator gating in 3D MR coronary angiography" Int'l J. Cardiovascular Imaging (2001) 17:287-294.	
13	EHMAN, R.L. et al.; "Magnetic Resonance Imaging With Respiratory Gating: Techniques and Advantages", Am. J. Reentgenol 143, pp. 1175-1182 (December 1984).	
14	FEE, M.S. et al. "Automatic Sorting of Multiple Unit Neuronal Signals in the Presence of Anisotropic and non-Gaussian Variability". J. Neuroscience Methods (1996) 69:175-189.	

Application Number		10656478
Filing Date		2003-09-05
First Named Inventor	Hassa	an MOSTAFAVI
Art Unit		2624
Examiner Name	Andra	e S. Allison
Attorney Docket Number		VM 03-009-US

15	FELBLINGER, J. et al. "Effects of physiologic motion of the human brain upon quantitative H-MRS. analysis and correction by retrogating" NMR in Biomedicine (1998) 11:107-114.	
16	FISHBEIN, K.W. et al. "The lever-coit. A simple, inexpensive sensor for respiratory and cardiac motion in MRI experiments" Magnetic Resonance Imaging (2001) 19:881-889.	
17	FROLICH, H.et al.,"A Simple Device For Breath-Level Monitoring During CT", Radiology 156; p. 235 (July 1985).	
18	GERIG, L.H. et al. "The Development and Clinical Application of a Patient Position Monitoring System" Ottawa Regional Cancer Centre, General Division, 501 Smyth Rd., Ottawa, Orbanio, Canada K1H8L6, National Research Council, IIT, Ottawa, Ontano, Canada K1A OR6; SplE Videometrics III (1994) 2350:59-72.	
19	HAACKE, E.M. and G.W. Lenz "Improving MIR Image Quality in the Presence of Motion by Using Rephasing Gradients" AJR (June 1987) 148:1251-1258.	
20	HANLEY, J. et al.; "Deep inspiration Breath-Hold Technique For Lung Tumors: The Potential Value of Target CS Immobilization And Reduced Lung Density in Dose Escalation"; Int. J. Radial. Oncol., Biol. Phys. 45; pp. 603-611 (October 1999).	
21	HENKELMAN, R.M. et al.; "How Important is Breathing in Radiation Therapy Of The Thorax?"; Int. J. Radiat. Onco/, Biol., Phys. 8; pp. 2005-2010 (November 1982).	
22	HOFMAN, M.B.M. et al.; "MRI Of Coronary Arteries: 20 Breath-Hold vs. 3D Respiratory-Gated Acquisition"; J. of Compo Assisted Tomography 19; pp. 56-62 (Jan./Feb. 1995).	
23	HUBER, A. et al. "Navigator Echo-Based Respiratory Gating for Three-Dimensional MR Coronary Angiography Results from Healthy Volunteers and Patients with Proximal Coronary Artery Stenoses" AJR (July 1999) 173:95-101.	
24	IWASAWA, Tae, et al., "Normal in-Plane Respiratory Motion of the Bilateral Herndiaphragms Evaluated By Sequentially Subtracted Fast Magnetic Resonance Images", Journal of Thoracic Imaging, 1999, Vol. 14, No.2, pp. 130-134	
25	JOHNSON, L.S. et al., "Inflat Clinical Experience With A Video-Based Patient Positioning System", Int. J. Radial Oncol. Biol. Phys. 45, pp. 205-213, (August 1999).	

	Application Number		10656478		
Filing Date :			2003-09-05		
First Named Inventor Ha		Hassa	an MOSTAFAVI		
	Art Unit Examiner Name And		2624		
			ne S. Allison		
	Attorney Docket Number		VM 03-009-US		

26	JOLESZ, Ferenc M.D., et al.; "Image-Guided Procedures And The Operating Room Of The Future", Radiology, SPL Technical Report #48, May 1997: 204.601-612.	
27	JOSEFSSON, T. et al. "A Flexible High-Precision Video System for Digital Recording of Motor Acts Through Lightweight Reflex Markers" Computer Methods & Programs in Biomedicine (1996) 49:119-129.	
28	KACHELRIESS, Marc, et al., "Electrocardiogram-correlated Image Reconstruction From Subsecond Spiral Computed Tomography Scans Of The Heart"; Med. Phys. 25(12); December 1998; pp. 2417-2431.	
29	KEATLEY, E. et al.; "Computer Automated Disphragm Mollon Quantification in a Fluoroscopic Movie", Dept. of Medical Physics, Memorial Stoan-Kettering Cancer Center, New York; 3 pps. 1749-1751	
30	KIM, W.S., et al.; "Extension of Cardiac and Respiratory Motion Cycles by Use of Projection Data and its Applications to NMR Imaging", Magnetic Resonance in Medicine 13, 1990; pp. 25-37.	
31	KORIN, H.W. et al.; "Respiratory Kinematics Of The Upper Abdominal Organs: A Quantitative Study"; Magn. Rason. Med. 23; pp. 172-178 (January 1992).	
32	KUBO, H.D. et al., "Breathing-Synchronized Radiotherapy Program at the University of California Davis Cancer Center", Med. Phys. 27(2), February 2000, pp. 346-353.	
33	KUBO, H.D. et al., "Compatibility Of Varian 2100C Gated Operations With Enhanced Dynamic Wedge And IMRT Dose Delivery", Med. Phys. 27, pp. 1732-1738, (August 2000).	
34	KUBO, H.D. et al.; "Potential and Role of a Prototype Amorphous Silicon Array Electronic Portal Imaging Device in Breathing Synchronized Radiotherapy"; Med. Phys. 26(11); November 1999, pp. 2410-2414.	
35	KUBD, H.D. et al.; "Respiration Galed Radiotherapy Treatment: A Technical Study", Phys. Mad. Bloi. 41, pp. 83-91, (1996).	
36	KUTCHER, G.J. et al., "Control, Correction, and Modeling Of Setup Errors and Organ Motion", Seniin. Radiat. Oncol. 5; pp. 134-145 (April 1995).	

Application Number		10656478
Filing Date		2003-09-05
First Named Inventor	Hassa	an MOSTAFAVI
Art Unit		2624
Examiner Name Andra		e S. Allison
Attorney Docket Number		VM 03-009-US

37	Lee, in VI AND LOTHER Harman body making with hadden with pages, located at httl://insusc.edu/-sochen)projects/human/ body/index.htm.	
38	LETHIMONNIER, F. et at; "Three-Dimensional. Coronary Artery MR Imaging Using Prospective Real-Time Respiratory DE Navigator and Linear Phase Shift Processing: Companison With Conventional Coronary Angiography", Magn. Reson. Imaane 17; DO. 1111-1120; (1999)	
39	LEWIS, C.E. et al.; "Comparison Of Respiratory Triggering And Sating Techniques For The Removal Of Respiratory Artifacts in MR imaging", Radiology 160; pp. 803-810; (September 1986).	
40	LI, D. et al.; "Coronary Arteries: Three-dimensional MR Imaging With Retrospective Respiratory Gating"; Radiology, December 1996; Vol. 201; No.3.; pp. 857-963.	
41	LIEBERMAN, J.M. et al. "Galed Magnetic Resonance imaging of the Normal Diseased Heart: Radiology (Aug. 1984) 152-465-470.	
42	LOPRESTI, B.J. et al. "Implementation and Performance of an Optical Motion Tracking System for High Resolution Brain PET Imaging" IEEE Transactions on Nuclear Science (December, 1999) 46(8) 2059-2067.	
43	LUKER, Gary D., et al.; "Ghosting of Pulmoreary Nodules With Respiratory Motion: Comparison of Helical and ConvenHonal CT Using an in Vitro Pediatric Model", AJR:167, November 1996; pp. 1189-1193.	
44	MAGERAS, G. et al., "Initial Clinical Evaluation Of A Respiratory Gating Radiotherapy System", 22nd Annual EMBS International Conference, Chicago, II.; pp. 2124-2127; (July 23-28, 2000).	
45	MAGERAS, G.S. et al.; "Respiratory Molton-Induced Treatment Uncertainflier"; Patras Medical Physics 99-VI International Conference On Medical Physics, Monduzzi Editore; pp. 33-39; (September 1999)	
46	MAGERAS, G.S., "Interventional Strategies For Reducing Respiratory Induced Motion in External Beam Therapy", The Use of Computers in Radiation Therapy XIIIth International Conference, Heidelberg, Germany, pp. 514-516, (May 2000)	
47	MAH, D. et al.; "Technical Aspects Of The Deep Inspiration Breath Hold Technique in The Treatment Of Thoracc Cancer", Int. J. Radiat. Oncol., Bios., Phys. 48, pp. 1175-1185; (November 2000).	

	48	Proce	K. et al.; "Time Varying Dose Due To Respiratory Motion During Radiation Therapy Of The Thorax", edings of the Eighth Intl Conference on the Use of Computers In Radiation Therapy, Toronto, Canada, July 1984, 00. 294-298.	ם
	49		ONE, S. et al.; "Respiratory-Induced Prostate Motion: Quantification And Characterization", Int. J. Radial. Oneal, Phys. 48, pp. 105-109; (August 2000).	_
	50		(E, D, et al. "Model Evaluation and Calibration for Prospective Respiratory Motion Correction in Coronary MR graphy Based on 3-D Image Registration" IEEE Transactions on Medical Imaging (Sept. 2002) 21(9):1132-1141	ב
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